



UNITED STATES DEPARTMENT OF COMMERCE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/599,708 06/22/00 IIDA

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MMC2/1102
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EXAMINER

FOSTER, D

ART UNIT

PAPER NUMBER

2841

DATE MAILED: 11/02/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/599,708

Applicant(s)
Iida

Examiner
David Foster

Art Unit
2841



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Jun 22, 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 8-10 is/are rejected.
- 7) ☒ Claim(s) 7 is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☒ All b) ☐ Some* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892) 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) ☐ Notice of Informal Patent Application (PTO-152)
- 17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 2 20) ☐ Other:

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DETAILED ACTION

**PORTABLE INFORMATION RADIO TERMINAL DEVICE AND MANUFACTURING
METHOD THEREOF**

Iida

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

2. Claims 1, 2, 3, 4, 6 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Lin (6,252,768).

Reference claim 1. Lin disclose a portable information radio terminal device comprising:

a device body (Figure 7, item 60);

an electronic part provided in said device body (Figure 7, Item 70); and

an elastic member supporting said electronic part within

said device body (Figure 7, Items 76, 64).

Reference claim 2. Lin disclose a portable information radio terminal device comprising:

a device body (Figure 7, item 60);

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a printed board provided in said device body (Figure 3, item 22);
an electronic part provided on said printed board (Figure 3, item 20); and
an elastic member supporting said printed board within said device body (Figure 3, items 76, 64).

Reference claim 3. Lin disclose a portable information radio terminal device as set forth in claim 2, wherein said device body includes

a first and second casing to be assembled with each other (Figure 3, items 30 and 40), and
said elastic member is disposed between said printed board and said first casing (Figure 3, items 34 and between said printed board and said second casing (Figure 3, items 46).

Reference claim 4. Lin disclose a portable information radio terminal device asset forth in claim 3, wherein a direction of an elastic force acting on said printed board from said elastic member disposed between said printed board and said first casing and a direction of an elastic force acting on said printed board from said elastic member disposed between said printed board and said second casing substantially match with a direction of assembling said first and second casings (column 4, line 35 and line 59).

Reference claim 6. Lin discloses a portable information radio terminal device as set forth in claim 2, wherein said elastic member is provided at only one side of said printed board in the longitudinal direction, and the other end side of said printed board in the longitudinal direction is situated as a free end (Figure 3).

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Reference claim 8. A portable information radio terminal device as set forth in claim 2, wherein a plurality of elastic members are provided **per** one side of said printed board (Figure 3, items 46 and 34).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 5, 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin (6,252,768).

Reference claim 5 .Lin does not disclose a portable information radio terminal device as set forth in claim 3, wherein said elastic body is pressurized by assembling said first casing and said second casing. Lin does not state which casing of the device is assembled first. However, this does not preclude Lin selecting a first casing to be assembled.

Reference claims 9 and 10, Claims 9 and 10 are method claims. The method of assembly is inherently obvious in view of the apparatus rejected above.

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Allowable Subject Matter

5. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The best art to consider with this application can be found in Lin (6,304,440), Gramble et al. (6,249,432), Gamble et al. (6,233,143), Lopez (6,160,703), Vos et al. (6,002,588), Genix et al. (6,021,041), Chen (6,272,011), Nagarajan (6,201,691) and MacDonald, Jr. et al. (5,914,864). Lin discloses a shock-proof device of external hard disk driver box, Gamble et al. (6,249,432) disclose a vibration dampening system for removable hard disk drive carriers, Gamble et al. (6,233,143) disclose a shock dampening system for hard disk drive carrier, Lopez discloses a shock mounting system for data storage modules, Vos et al. disclose a thermally conductible vibration isolators, Genix et al. disclose a tuned shock absorbing system for portable computer hard disk drives, Chen discloses a hard disk drive mobile rack, Nagarajan discloses a removable electronic subassembly with a compressible shock absorbing device and MacDonald, Jr. et al. disclose a shock and vibration attenuating structure for an electronic assembly.

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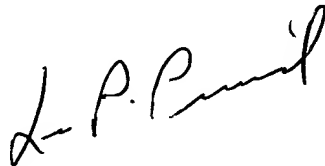
Any inquiry concerning to this communication or earlier communications from the Examiner should be directed to David Foster whose telephone number is (703) 308-1763. The examiner can normally be reached on Monday through Thursday and alternate Fridays.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Leo P. Picard, who can be reached on (703) 308-0538. The fax phone number for the organization where this application or proceeding is assigned is (703)308-7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

DAF

October 31, 2001



Leo P. Picard
Supervisory Patent Examiner
Technology Center 2800